

PATENT

AMENDMENTS TO THE CLAIMS

Following is a complete set of claims as amended with this Response. This complete set of claims includes amended claims 1-3, 9-13, 15 and new claims 16-22.

B1

1. (Currently Amended) An implantable medical device comprising:
a parameter storage unit that is operative to store parameter data corresponding to at least two ~~operating configurations~~ programming states;
a receiver that is operative to receive communication signals from an external device; and
a controller that is connected to the parameter storage unit and to the receiver and that controls the operation of the implantable medical device according to a selected one of the ~~operating configurations~~ programming states, wherein the controller is responsive to receipt of a reset signal by the receiver to retrieve parameter data from the parameter storage unit corresponding to another of the ~~operating configurations~~ programming states and to implement the parameter data to change the ~~operating configuration~~ programming state.

2. (Currently Amended) The device of claim 1, wherein the parameter storage unit comprises a current state pointer for identifying a current ~~operating configuration~~ programming state.

3. (Currently Amended) The device of claim 1, wherein the ~~operating configurations~~ programming states in the parameter storage unit are ordered such that one of the stored ~~operating configurations~~ programming states is selected according to its order in the parameter storage unit as ~~the a current operating configuration~~ programming state.

PATENT

4. (Original) The device of claim 1, wherein the receiver is configured to communicate with an external programmer.

5. (Previously Presented) A method for controlling operation of an implantable medical device, the method comprising:

maintaining at least three sets of parameters representative of at least three programming states comprising a current programming state and at least two other programming state;

receiving a reset signal for resetting the programming state of the implantable device;

retrieving the a corresponding set of parameters based on the received reset signal; and

implementing the retrieved set of parameters to alter the operation of the implantable device.

6. (Original) The method of claim 5, wherein receiving a reset signal comprises receiving a reset signal from an external programmer.

7. (Original) The method of claim 5, wherein receiving a reset signal comprises receiving a reset signal corresponding to one of the programming states.

8. (Original) The method of claim 5, wherein implementing the retrieved set of parameters comprises programming functional components of the implantable device in accordance with the parameters of the selected programming state.

9. (Currently Amended) An implantable medical device comprising:
means for storing a plurality of sets of parameter data corresponding to respective ~~operating configurations~~ programming states;
means for receiving communication signals from an external device;

PATENT

means for controlling the implantable medical device according to a selected one of the ~~operating configurations~~ programming states by implementing a corresponding set of parameter data; and

means for changing ~~operating configurations~~ programming states by implementing a new set of parameter data in response to receipt of a reset signal from the external device.

B1
10. (Currently Amended) The device of claim 1, wherein the at least two ~~operating configurations~~ programming states comprise at least three ~~operating configurations~~ programming states.

11. (Currently Amended) The device of claim 10, wherein the at least three ~~operating configurations~~ programming states comprises a current ~~operating configuration~~ programming state and at least two other ~~operating configurations~~ programming states.

12. (Currently Amended) The device of claim 1, further comprising a transmitter to transmit data from the parameter storage unit to the external device, the external device displaying the differences between the selected ~~operating configurations~~ programming states received from the parameter storage unit.

13. (Currently Amended) The device of claim 1, further comprising a transmitter to transmit data from the parameter storage unit to the external device, the external device to select at least two of the ~~operating configurations~~ programming states received from the parameter storage unit to form a new ~~operating configuration~~ programming state, the new ~~operating configuration~~ programming state to become the current ~~operating configuration~~ programming state.

PATENT

14. (Previously Presented) The method of claim 5, further comprising transmitting the at least three sets of parameters to an external device to display the differences between at least two sets of parameters.

15. (Currently Amended) The method of claim 5, further comprising transmitting the at least three sets of parameters to an external device to form a new ~~operating configuration~~ programming state, the new ~~operating configuration~~ programming state to become the current ~~operating configuration~~ programming state.

B1
16. (New) The device of claim 9, wherein the means for storing a plurality of sets of parameter data comprises storing at least three sets of parameter data, the at least three sets of parameter data comprising a current programming state and at least two other programming states.

17. (New) The device of claim 1, wherein the parameter storage unit stores all the parameter data for the implantable medical device for each of the programming states.

18. (New) The device of claim 17, wherein the parameter data comprises mode, base rate, rest rate, maximum tracking rate, maximum sensor rate, and rate responsive AV/PV delay.

19. (New) The method of claim 5, wherein the at least three sets of parameters comprise all the parameter data for the at least three programming states of the implantable medical device.

20. (New) The method of claim 19, wherein the parameter data comprises mode, base rate, rest rate, maximum tracking rate, maximum sensor rate, and rate responsive AV/PV delay.

PATENT

B1
21. (New) The device of claim 9, wherein the means for storing a plurality of sets of parameters comprises storing all parameter data for the implantable medical device.

22. (New) The device of claim 21, wherein the parameter data comprises mode, base rate, rest rate, maximum tracking rate, maximum sensor rate, and rate responsive AV/PV delay.
